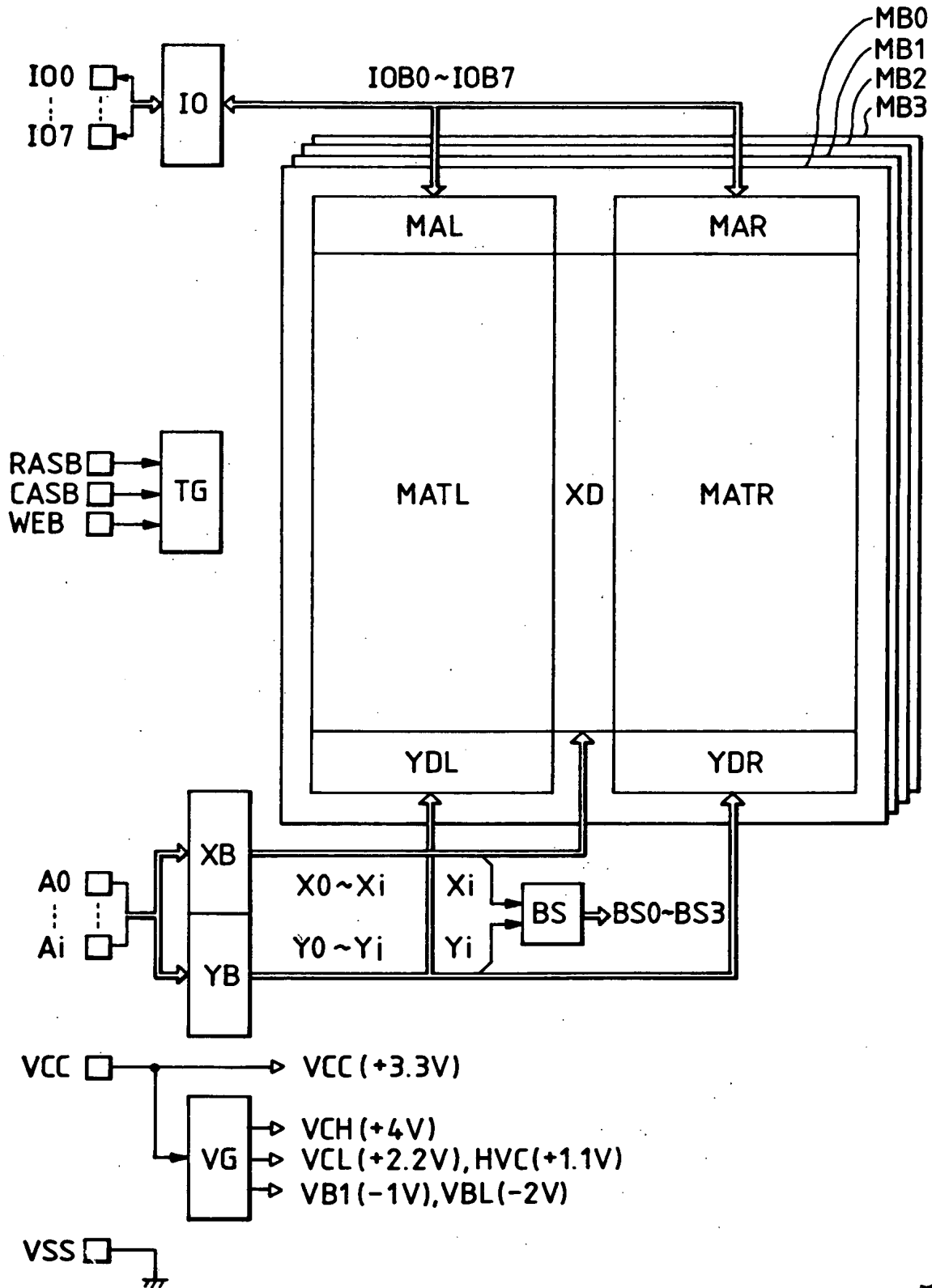
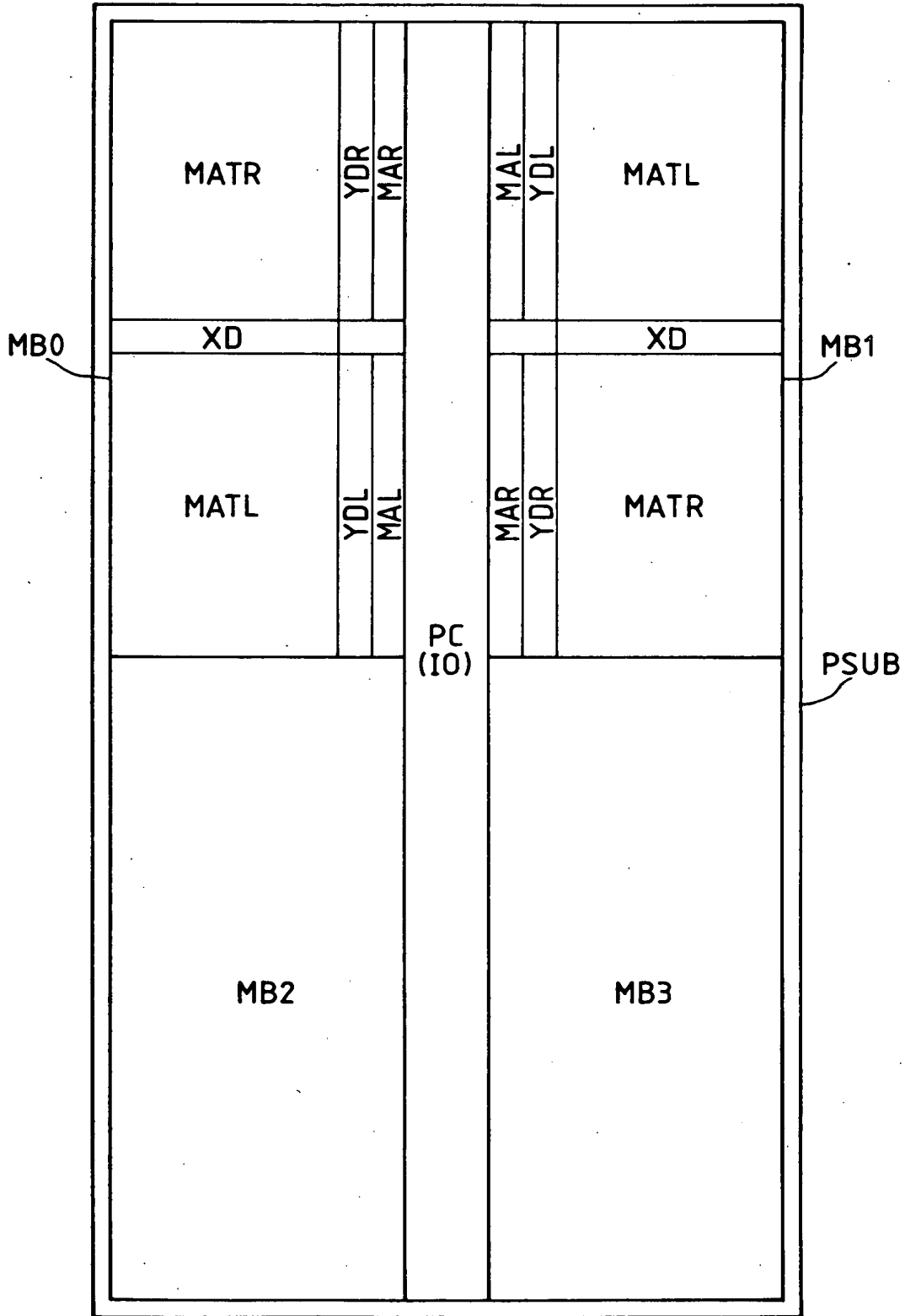


FIG. 1



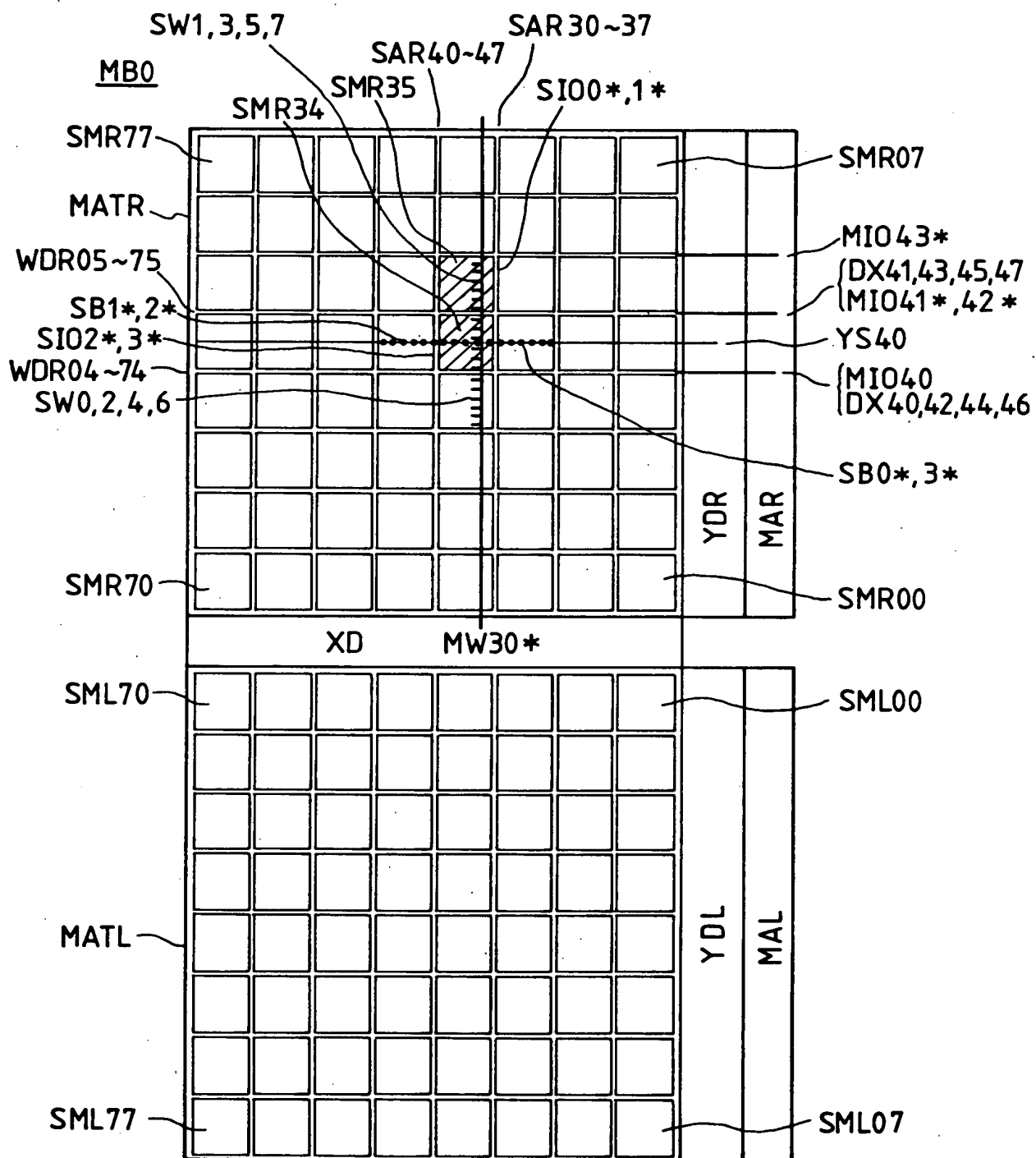
Figs. 32

FIG. 2



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FIG. 3



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FIG. 4

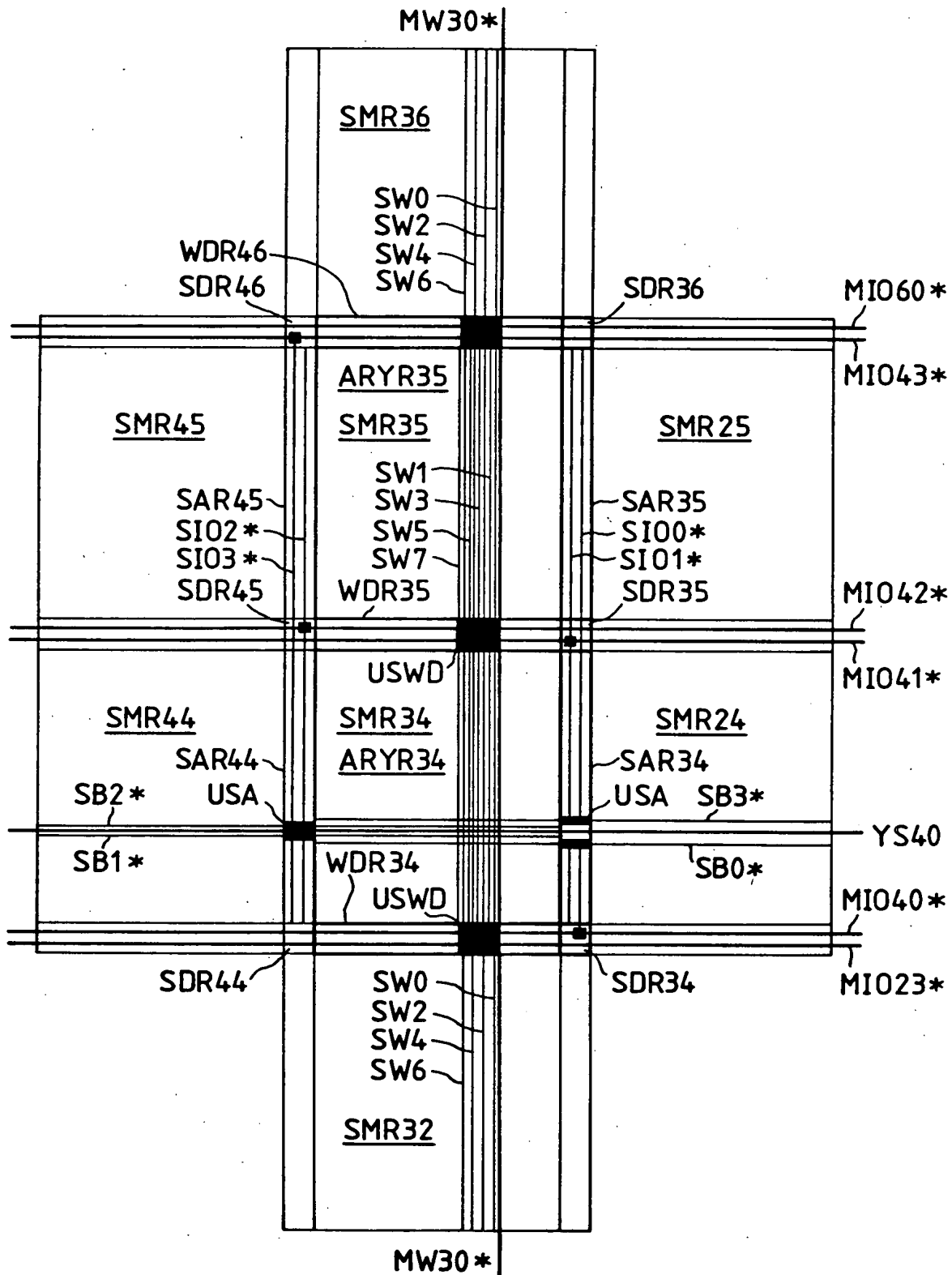
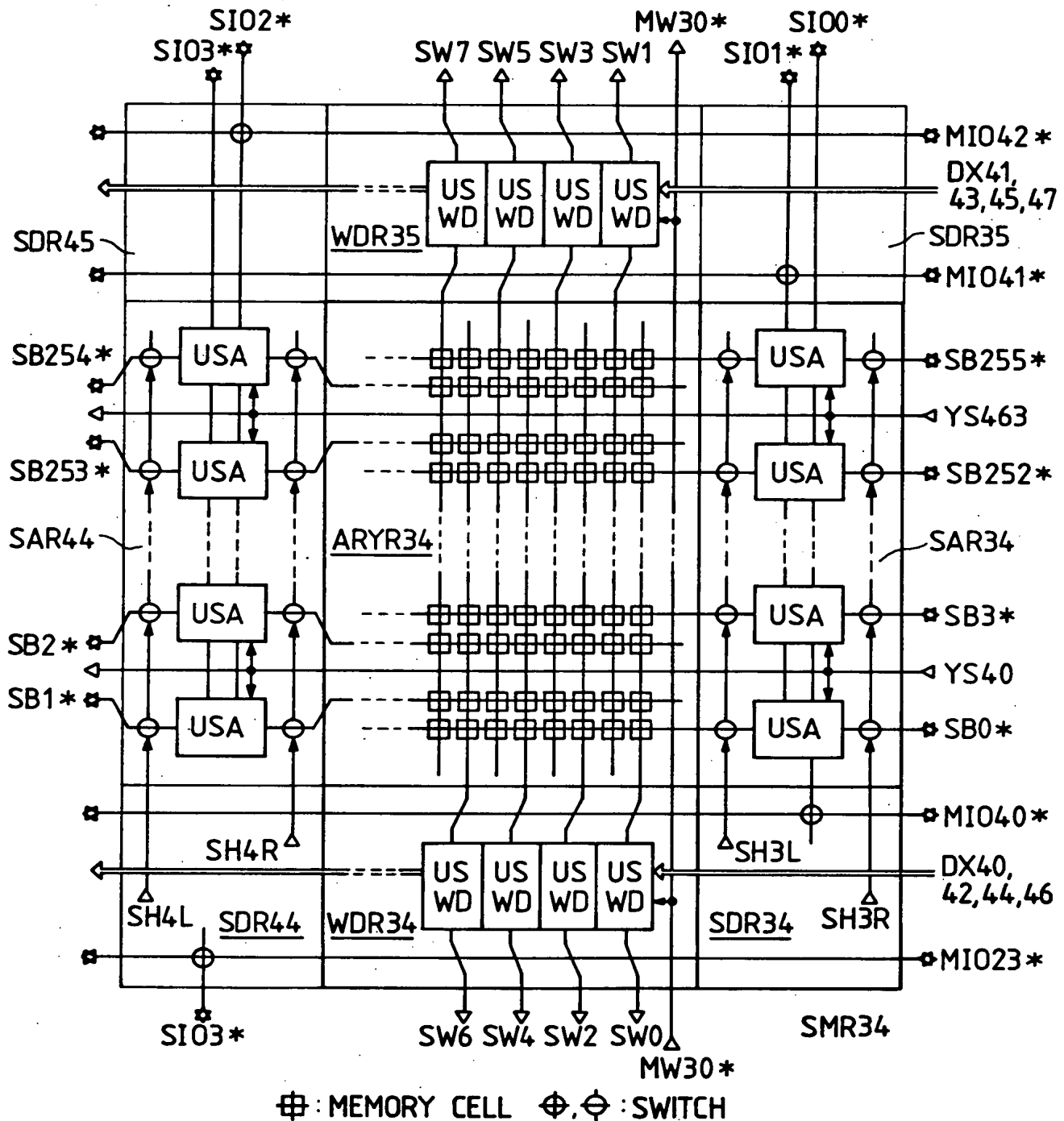
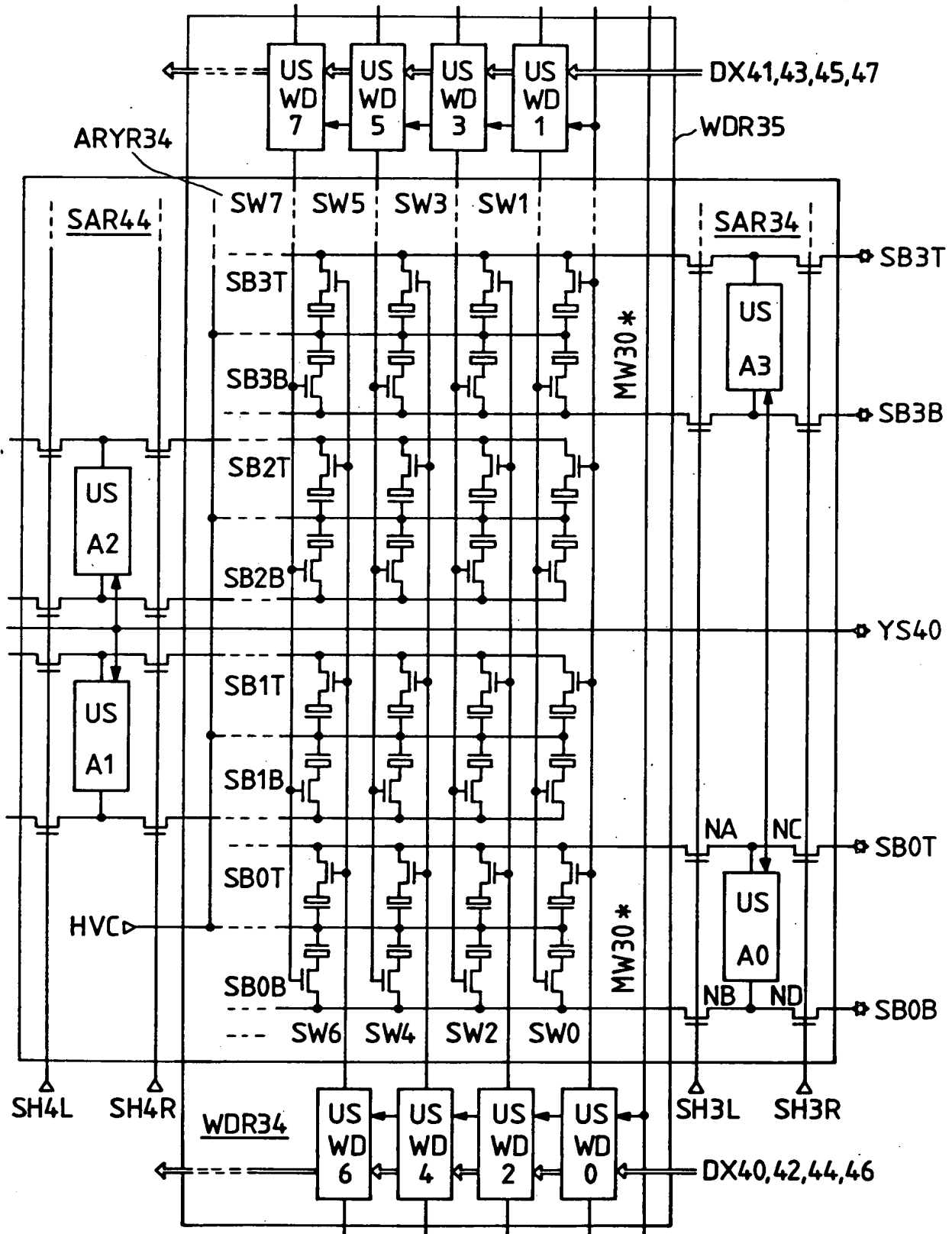


FIG. 5



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FIG. 6



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FIG. 7(A)

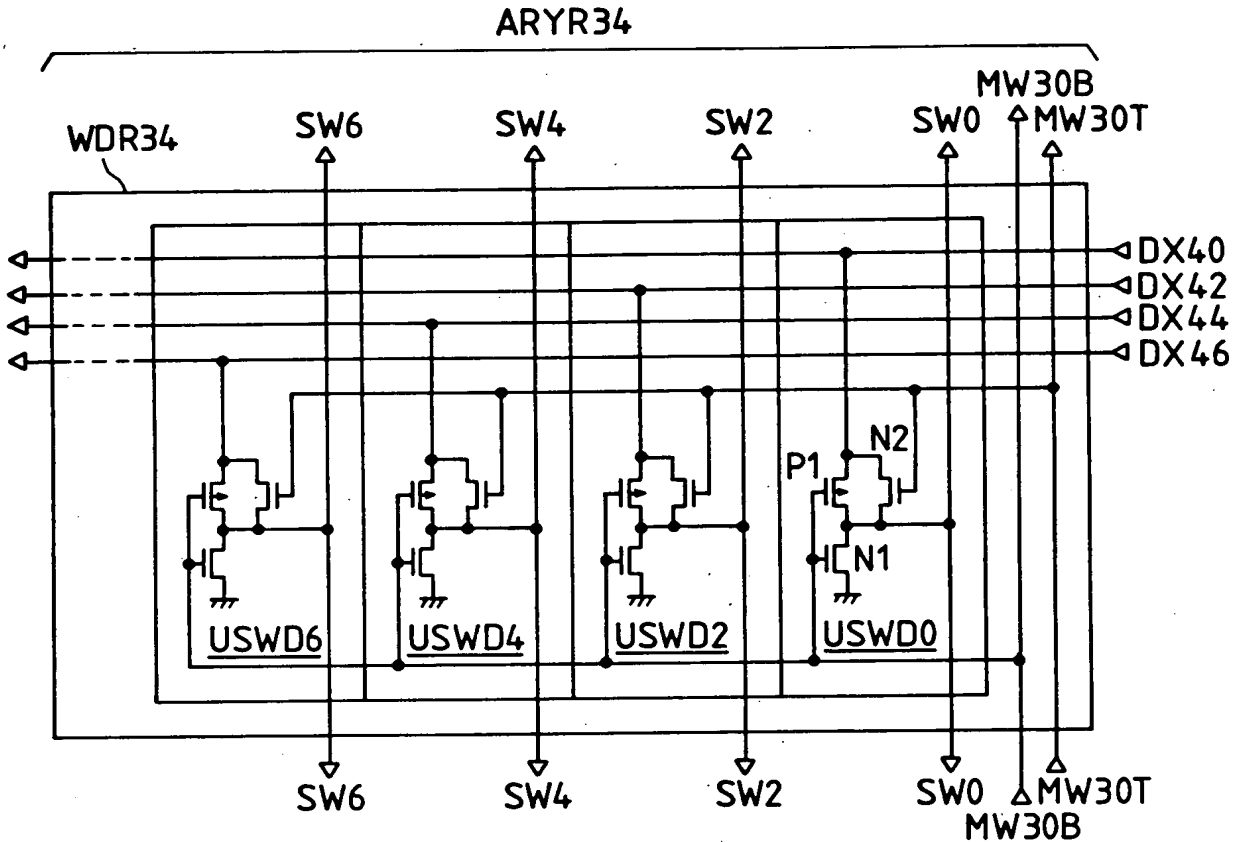


FIG. 7(B)

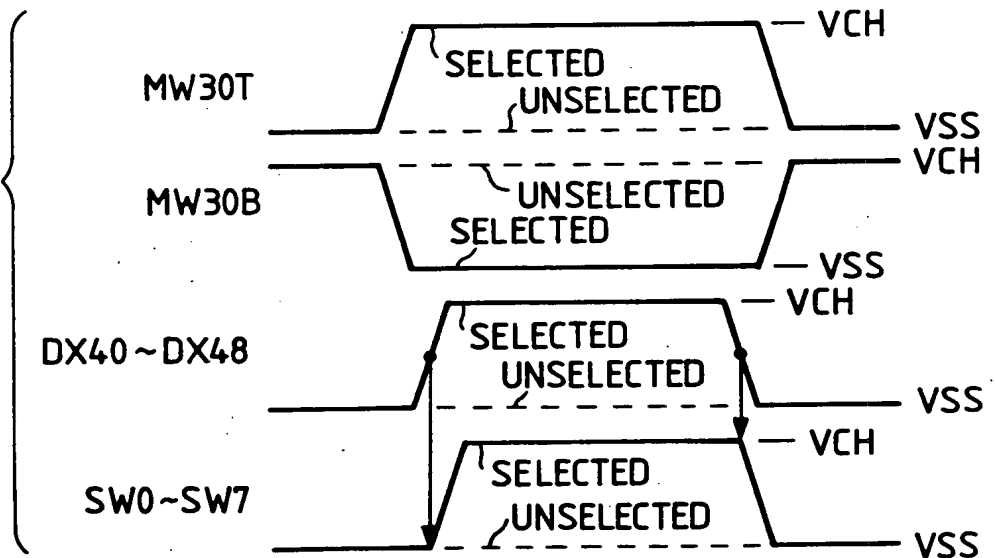
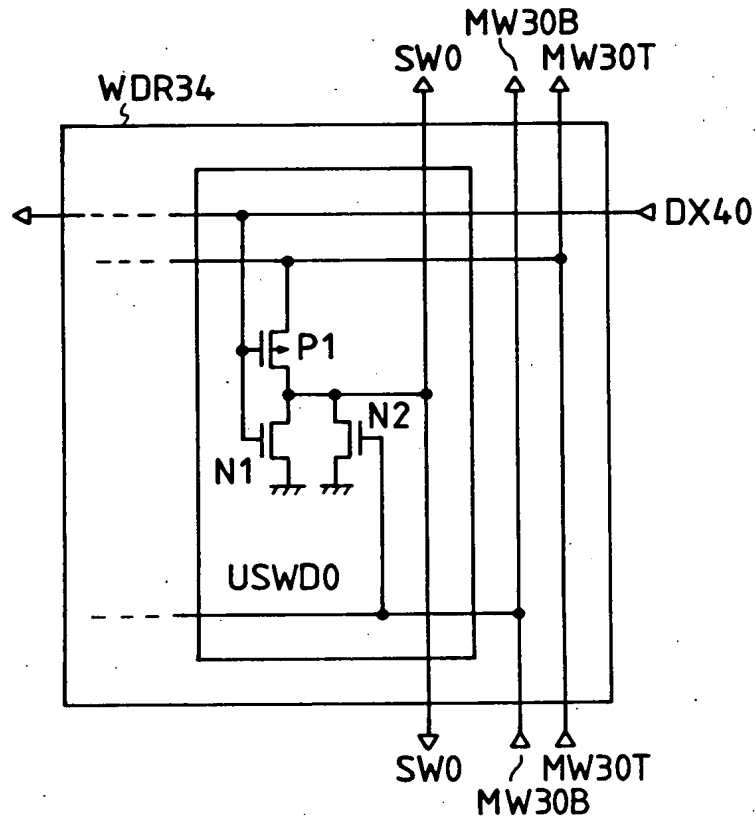
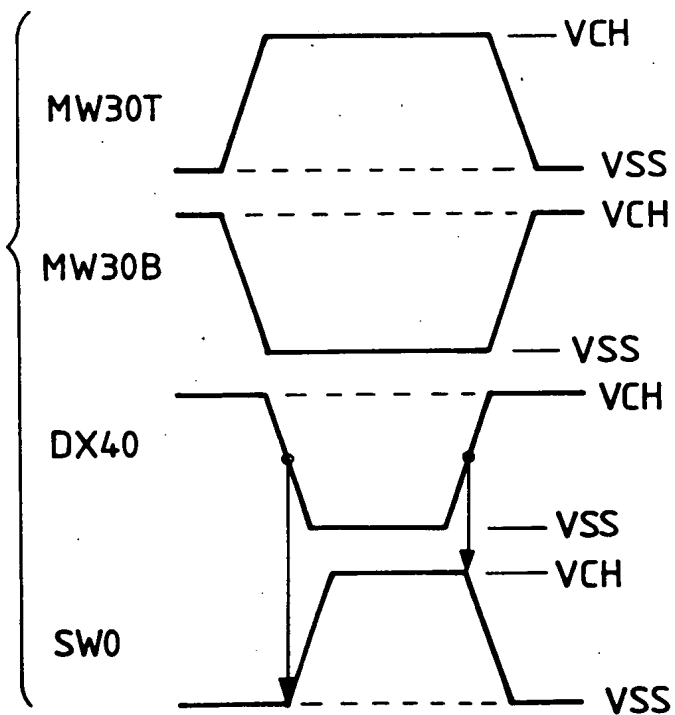


FIG. 8(A)



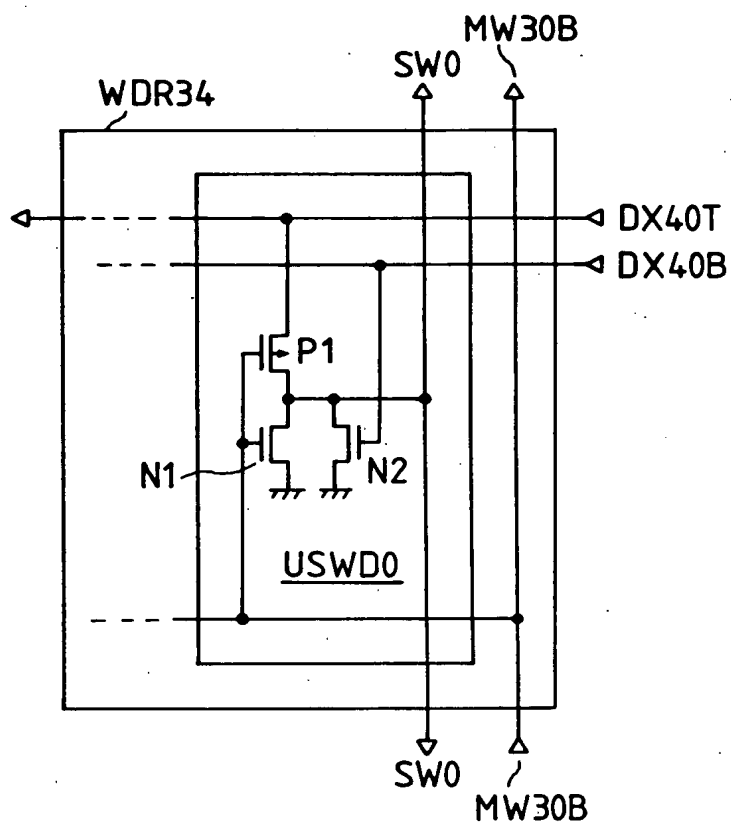
**FIG. 8(B)**



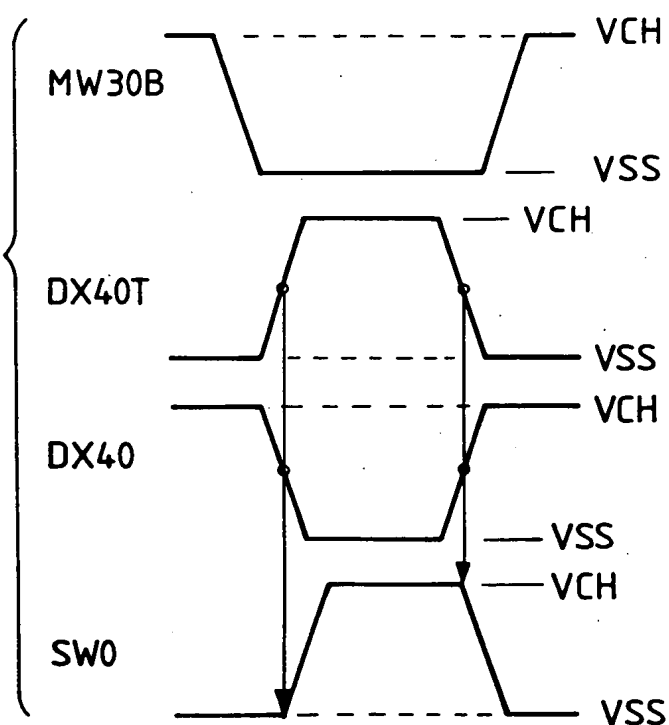


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FIG. 9(A)

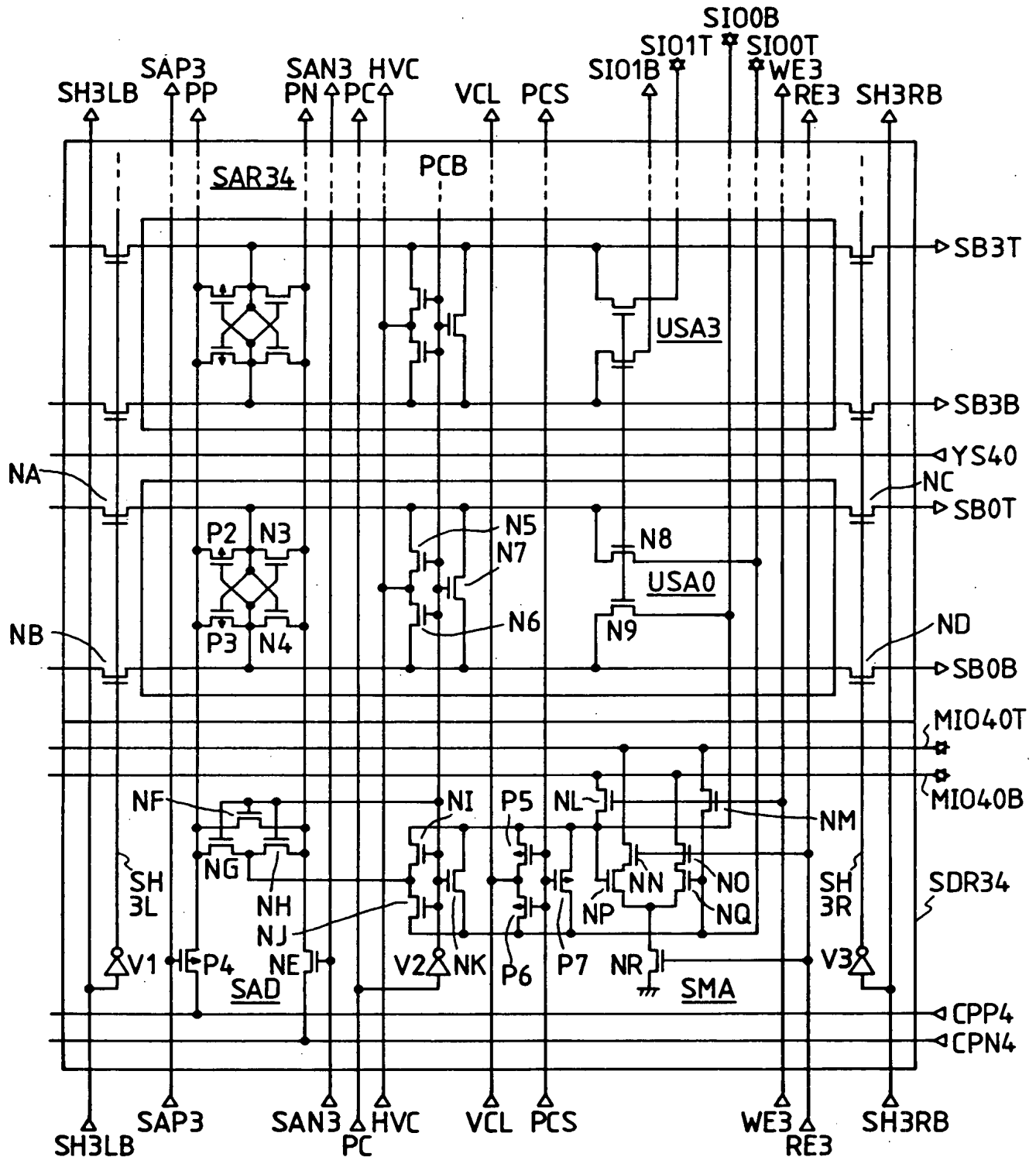


*FIG. 9(B)*



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FIG. 10



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FIG. 11

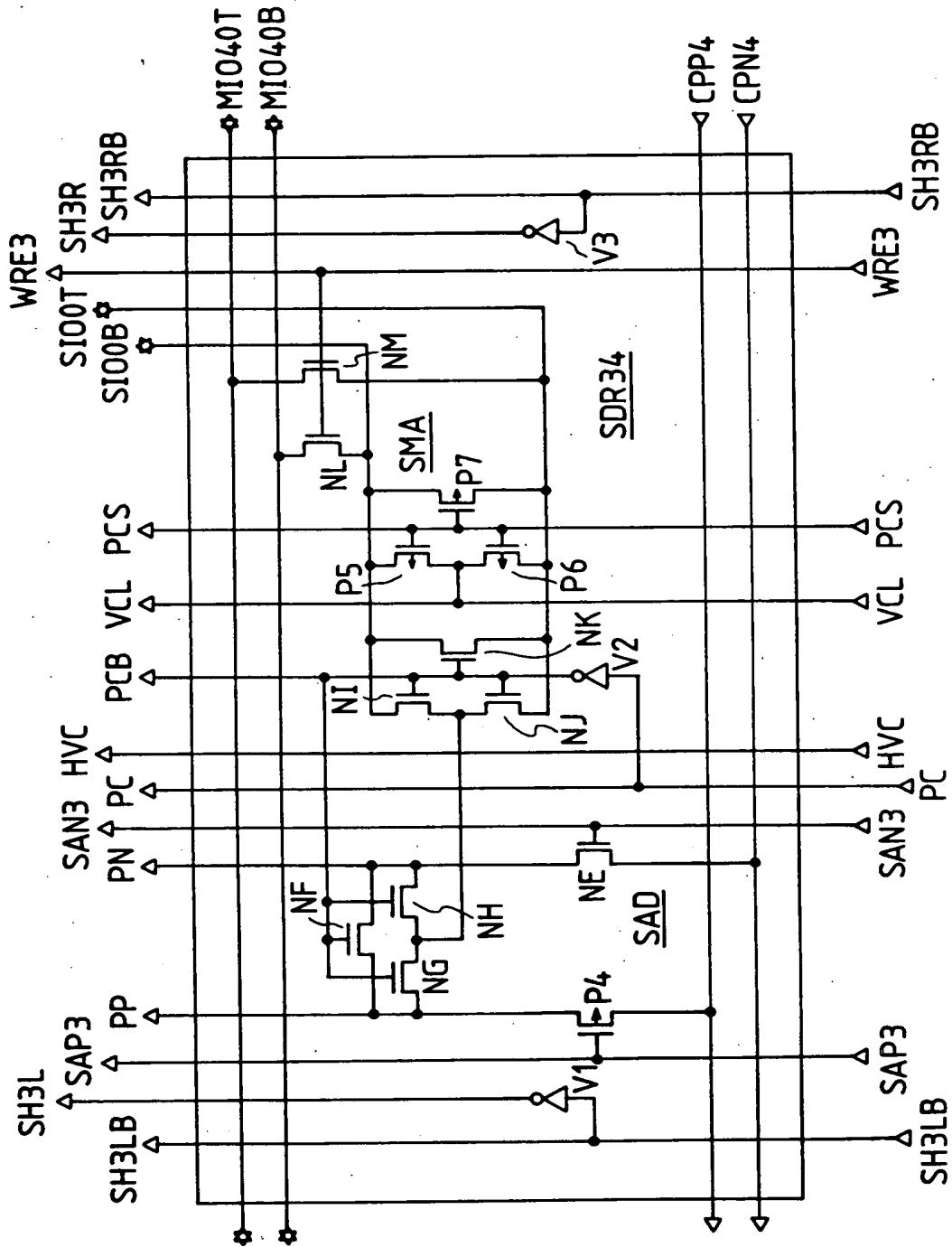


FIG. 12

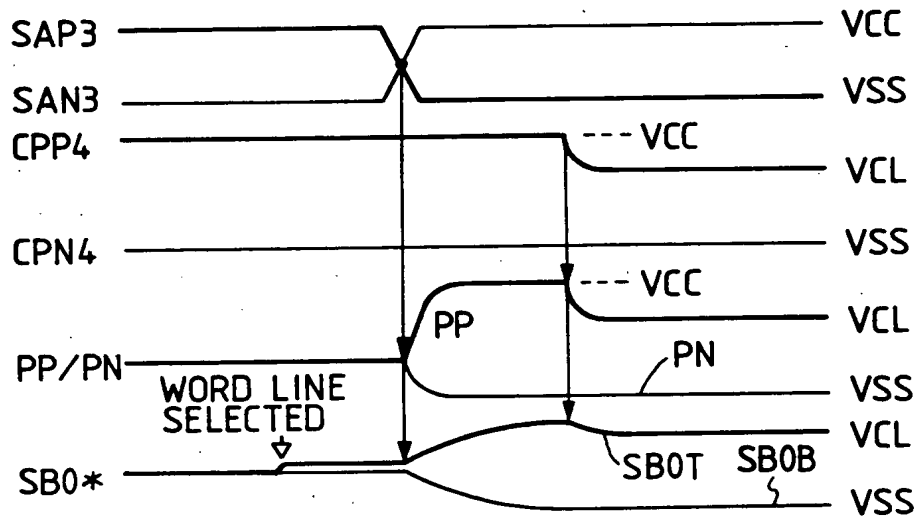
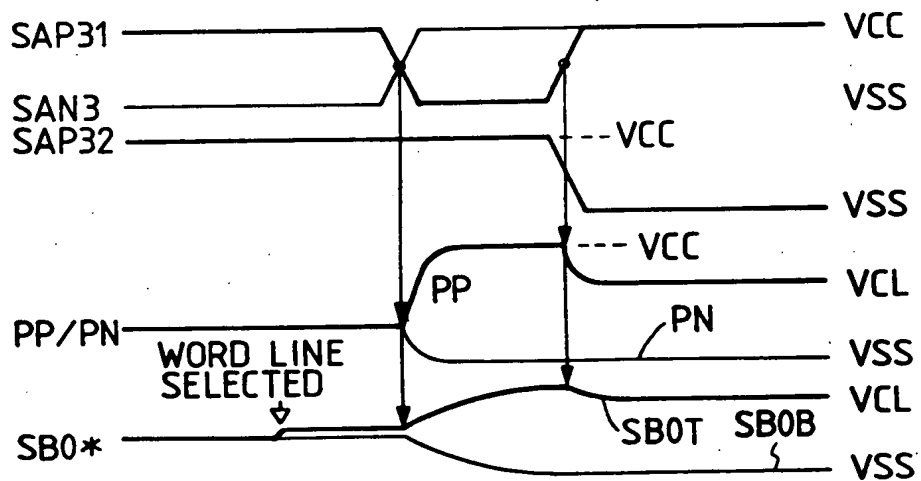


FIG. 14



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FIG. 13

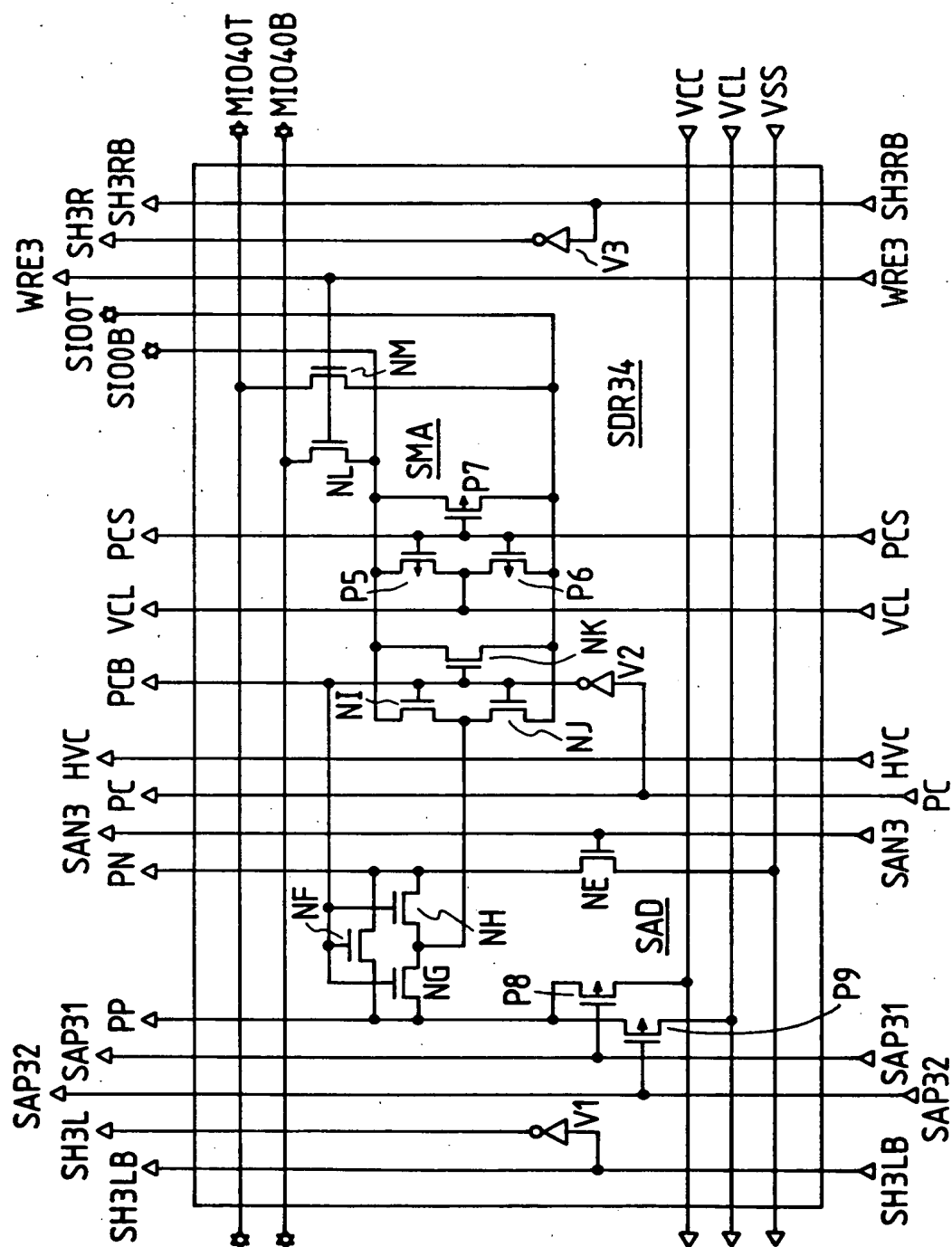


FIG. 15

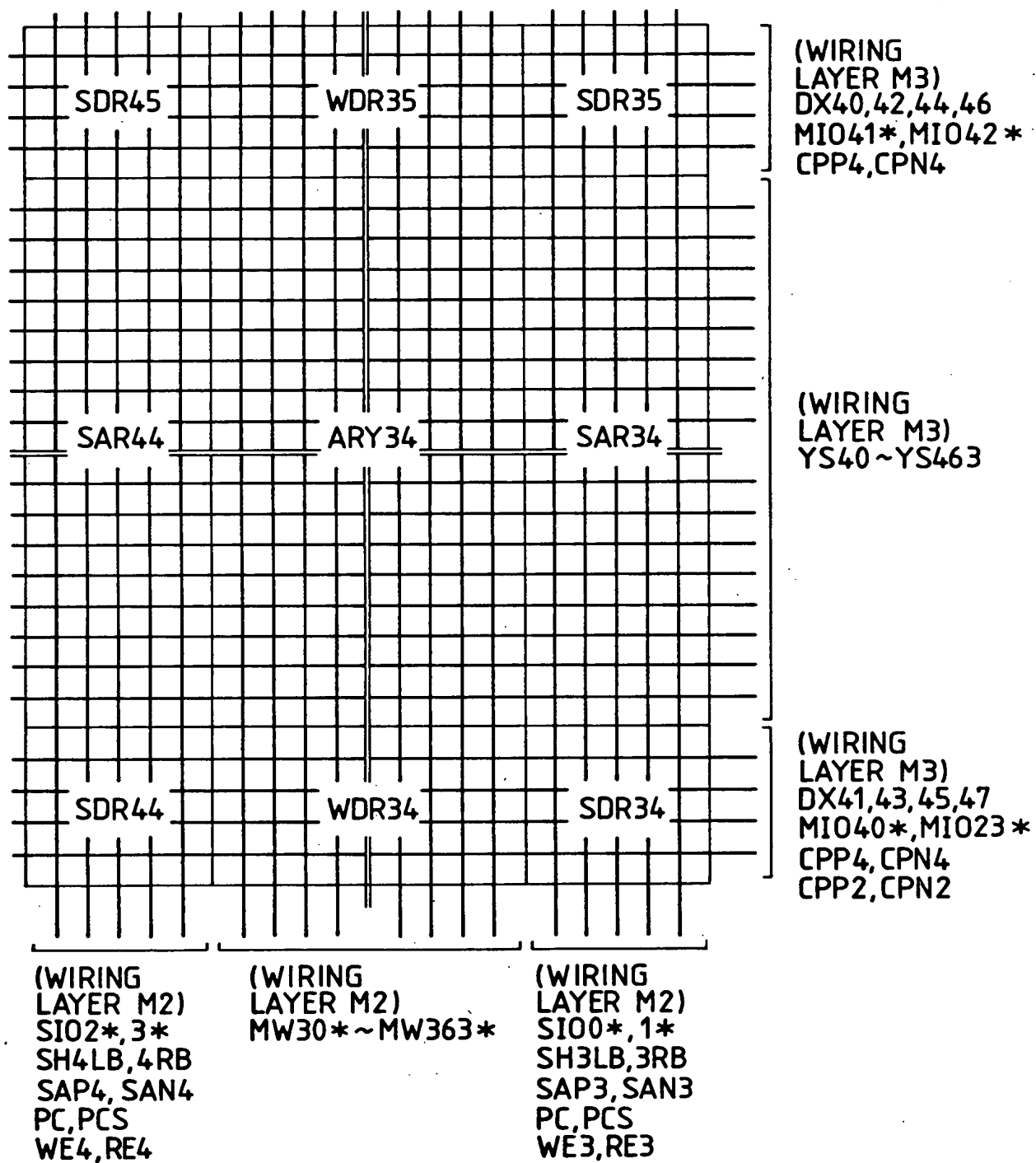


FIG. 16

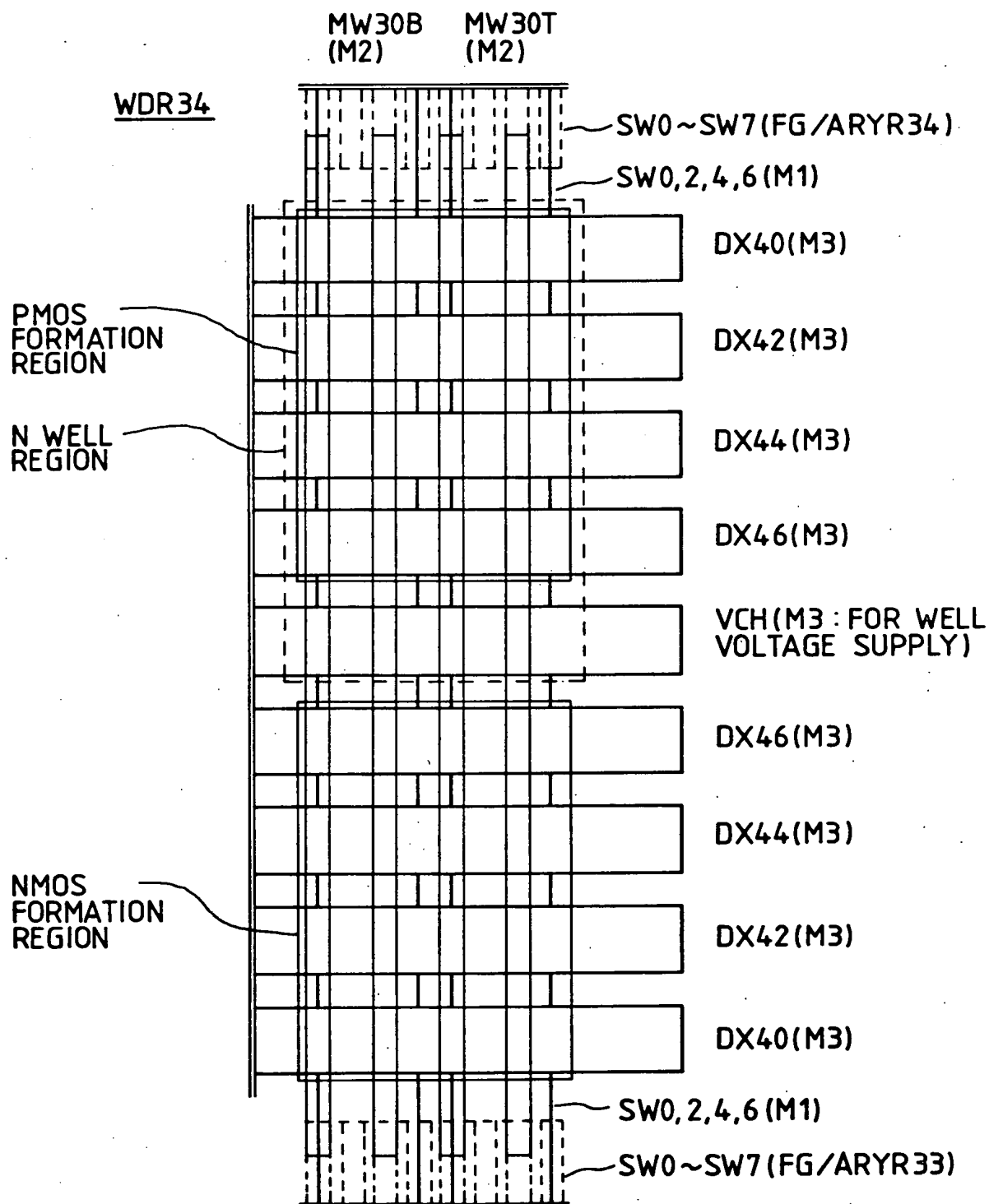


FIG. 17

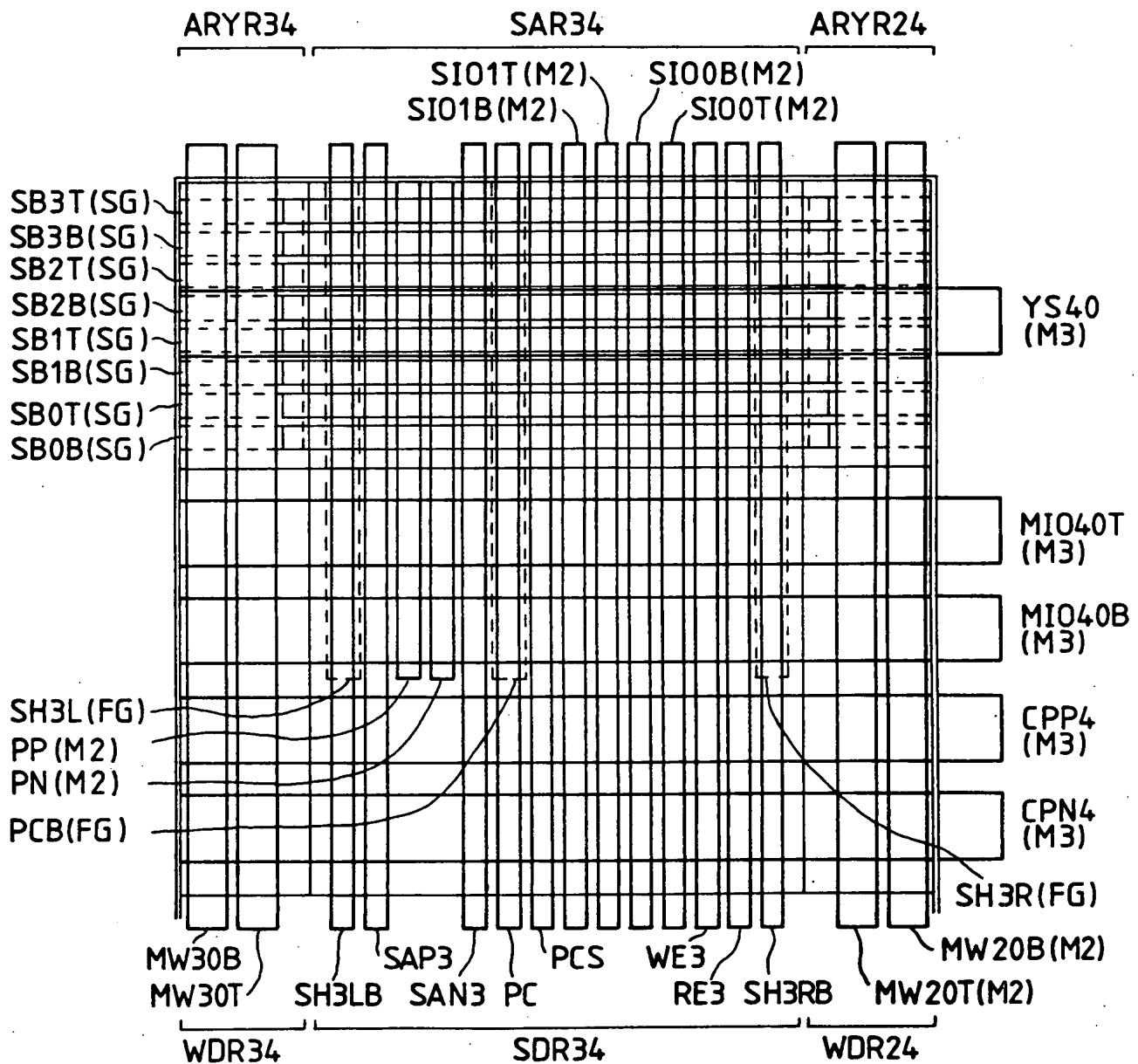




FIG. 18

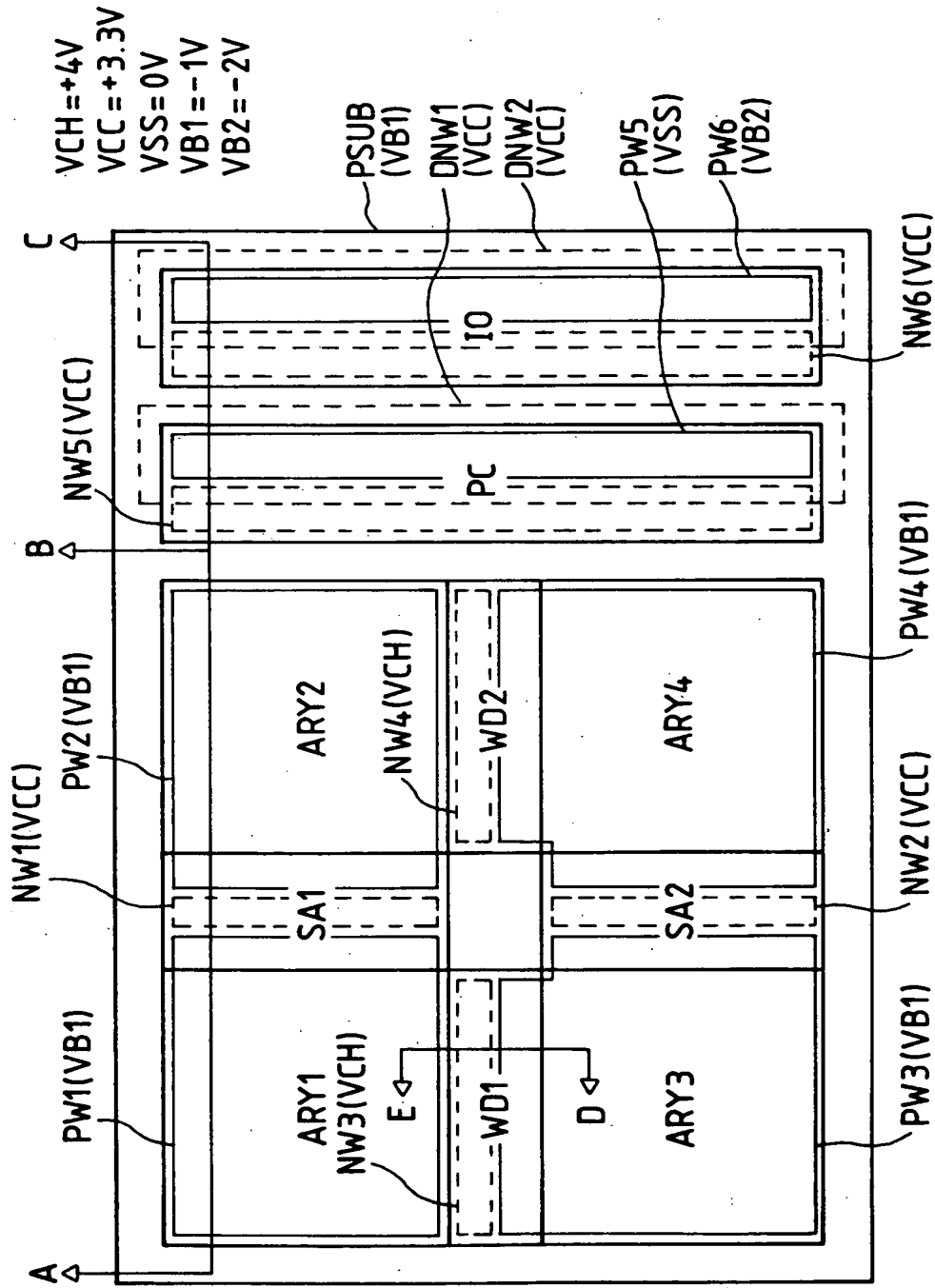
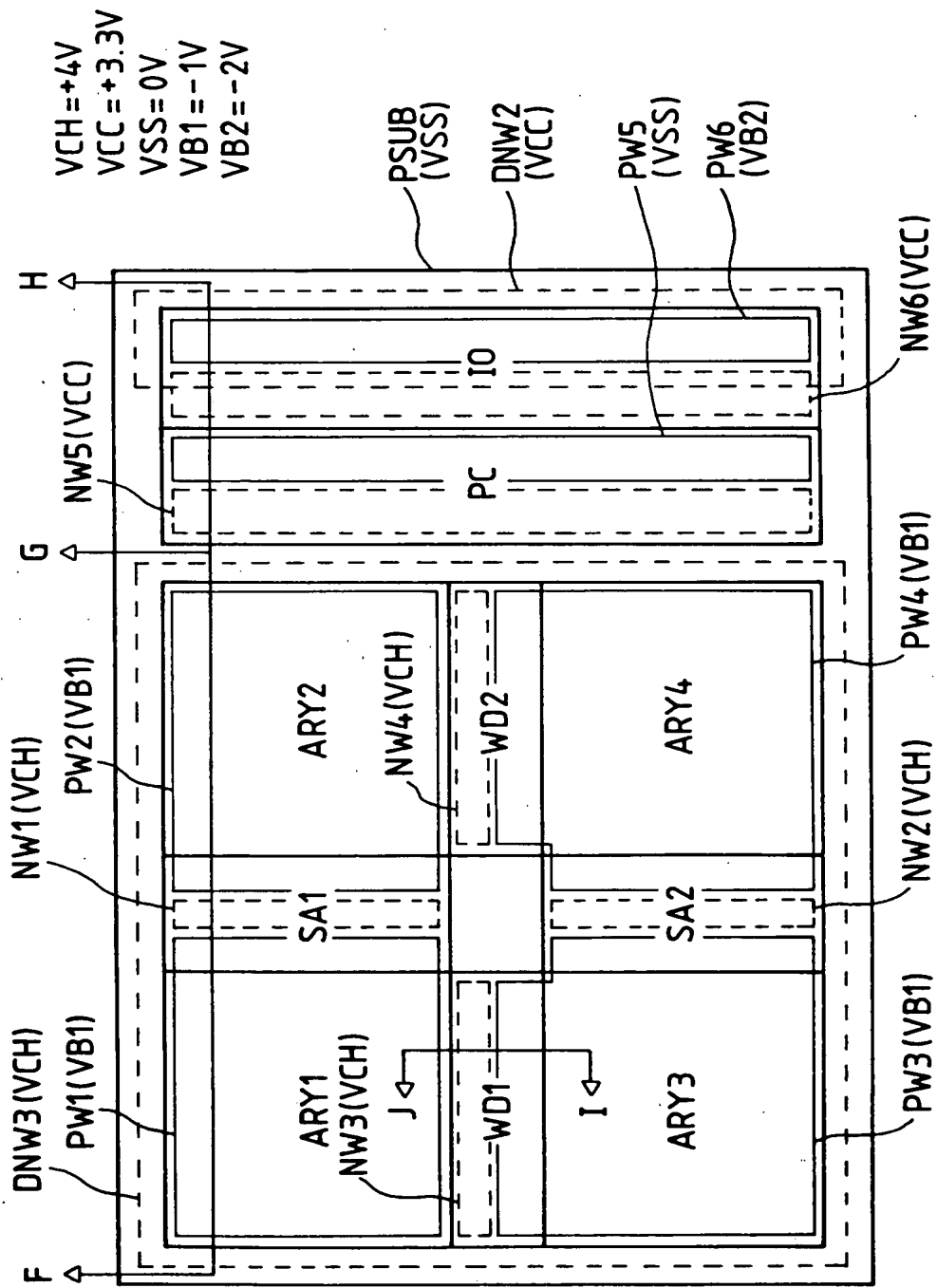


FIG. 19



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FIG. 20

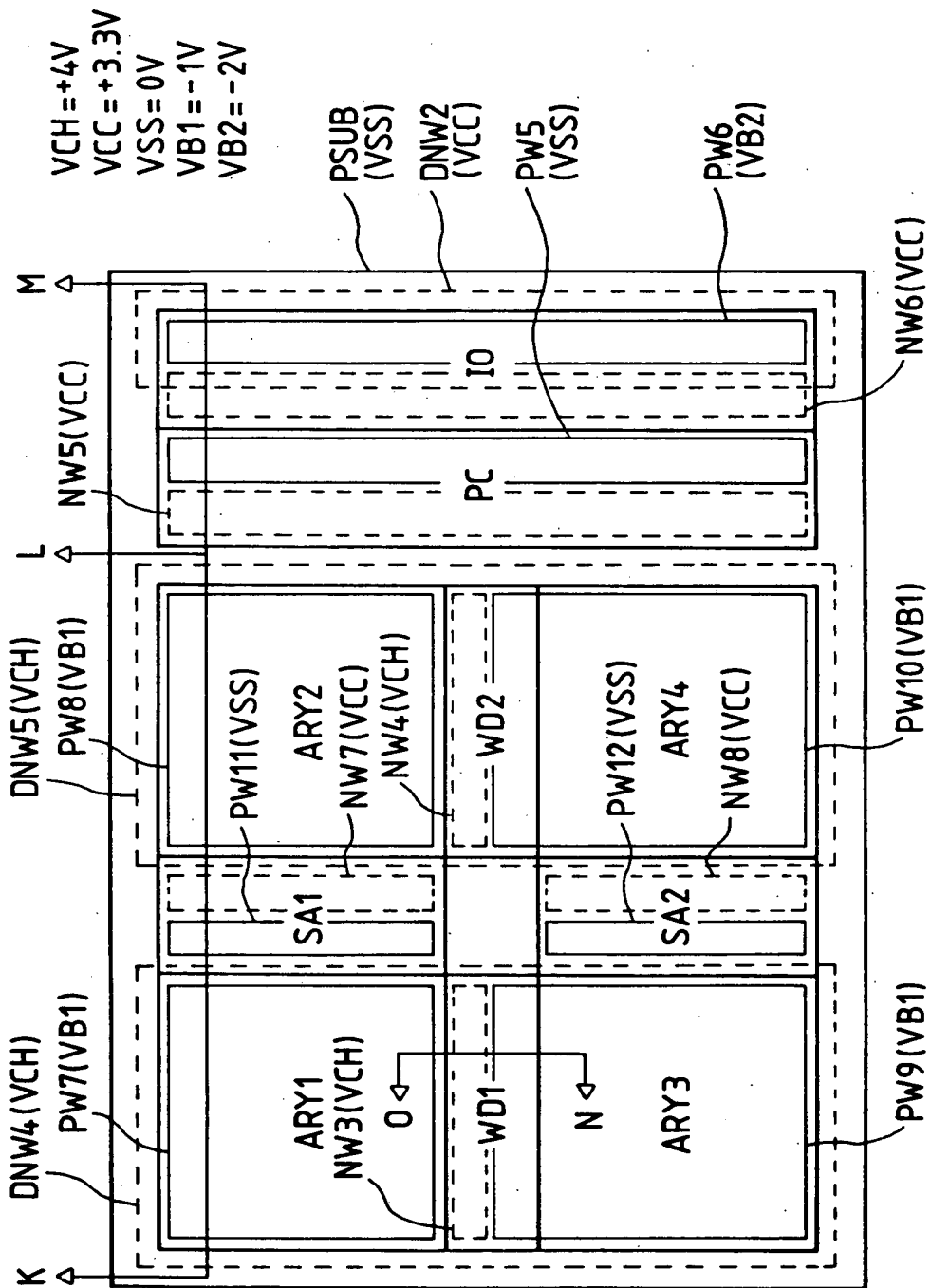


FIG. 21(A)

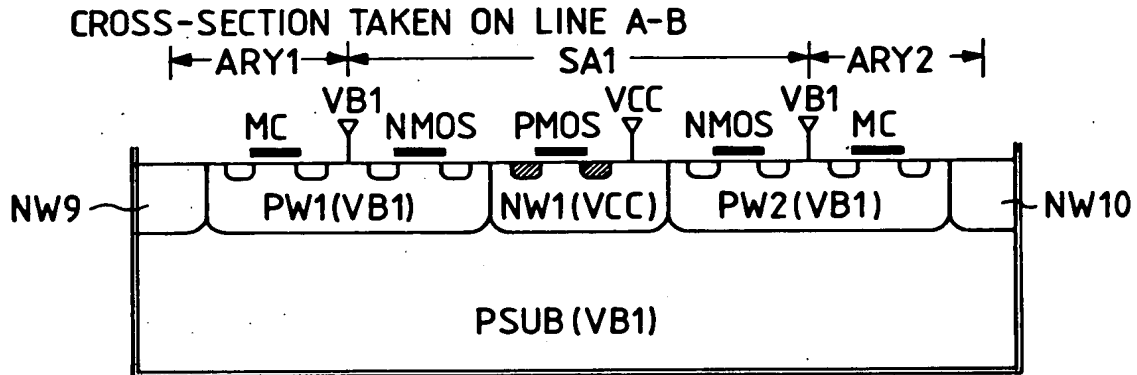


FIG. 21(B)

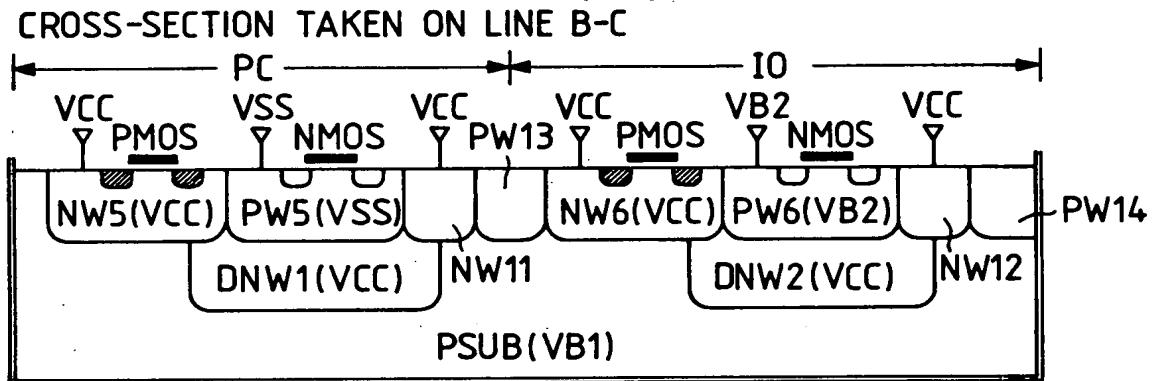
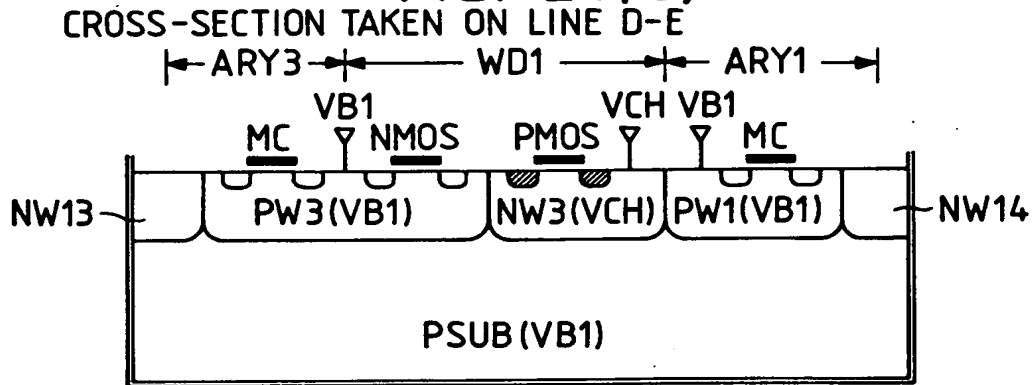


FIG. 21(C)



▨ : P<sup>+</sup> DIFFUSION LAYER □ : N<sup>+</sup> DIFFUSION LAYER

VCH=+4V VCC=+3.3V VSS=0V VB1=-1V VBB=-2V

FIG. 22(A)

CROSS-SECTION TAKEN ON LINE F-G

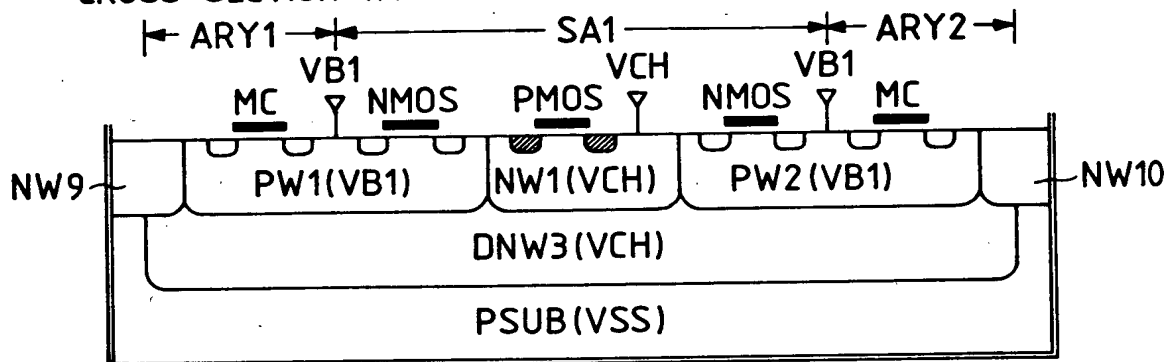


FIG. 22(B)

CROSS-SECTION TAKEN ON LINE G-H

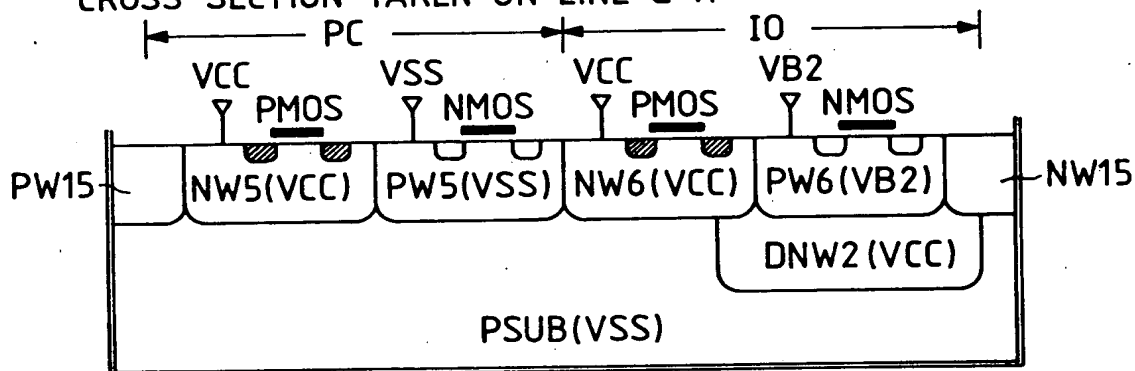
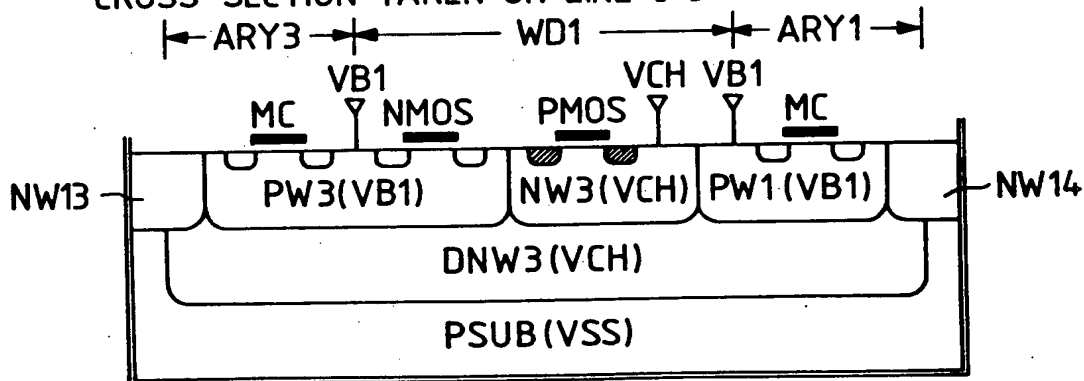


FIG. 22(C)

CROSS-SECTION TAKEN ON LINE I-J



: P<sup>+</sup> DIFFUSION LAYER   
 : N<sup>+</sup> DIFFUSION LAYER

VCH = +4V   VCC = +3.3V   VSS = 0V   VB1 = -1V   VBB = -2V

CROSS-SECTION TAKEN ON LINE K-L



**VCH=+4V VCC=+3.3V VSS=0V VB1=-1V VBB=-2V**